

Environmental Research, Technology Demonstration and Conference Project

ECF Project:	ECF 2020-41
Project Title:	Art for Climate Action (DACA), international hybrid conference
Principal Investigator:	Dr Per Magnus Lindborg, School of Creative Media, City University of Hong Kong
Total Approved Grant:	\$103,790 or 70% of the total actual expenditure, whichever would be the less
Duration:	1/11/2020 to 30/9/2022
Project Status/Remarks:	On-going
Project Scope:	<p>Data Art for Climate Action is a hybrid (local + online) conference on interactive concurrent sonification and visualisation of climate data with a purpose of exploration, awareness, education, and action. DACA aims to be a focal point and inspiration for researchers and artists who seek to direct their passion and skills towards meaningful efforts to stem global heating and for sustainable development within planetary boundaries. Both sonification and visualisation are processes of data perceptualisation, with both aesthetic and practical ramifications. As in human-computer interaction research, it is essential to involve perceptual evaluation in the iterative design loop. It hinges on understanding sensory processing, cognitive load, and cross-modal correspondences.</p> <p>Data art is the study, interpretation, and representation of scientific measurements in ways that excite and surprise. While science speaks through words, numbers, and diagrams, art communicates through movement, images, sound, and sculpture. Working together, artists and scientists can reach further and engage more people in concerted action towards a common goal.</p> <p>The Conference reaches out to artist-scientists who create spectacular audiovisual data displays that explicate, clarify, and highlight large-scale climate developments. It aims to increase awareness of global sustainability goals and stimulate action among both experts and general audiences. Target participants: about 50 local, 50 overseas and 2,500 views or download within one year of uploading the videos on website(s).</p>
Summary of the Findings/Outcomes:	To be available upon completion of the project